YUJUN METAL MESH

RAZOR WIRE
CATALOGUE

www.razorbarbedwirefence.com

ABOUT
YUJUN METAL MESH CO., LTD.

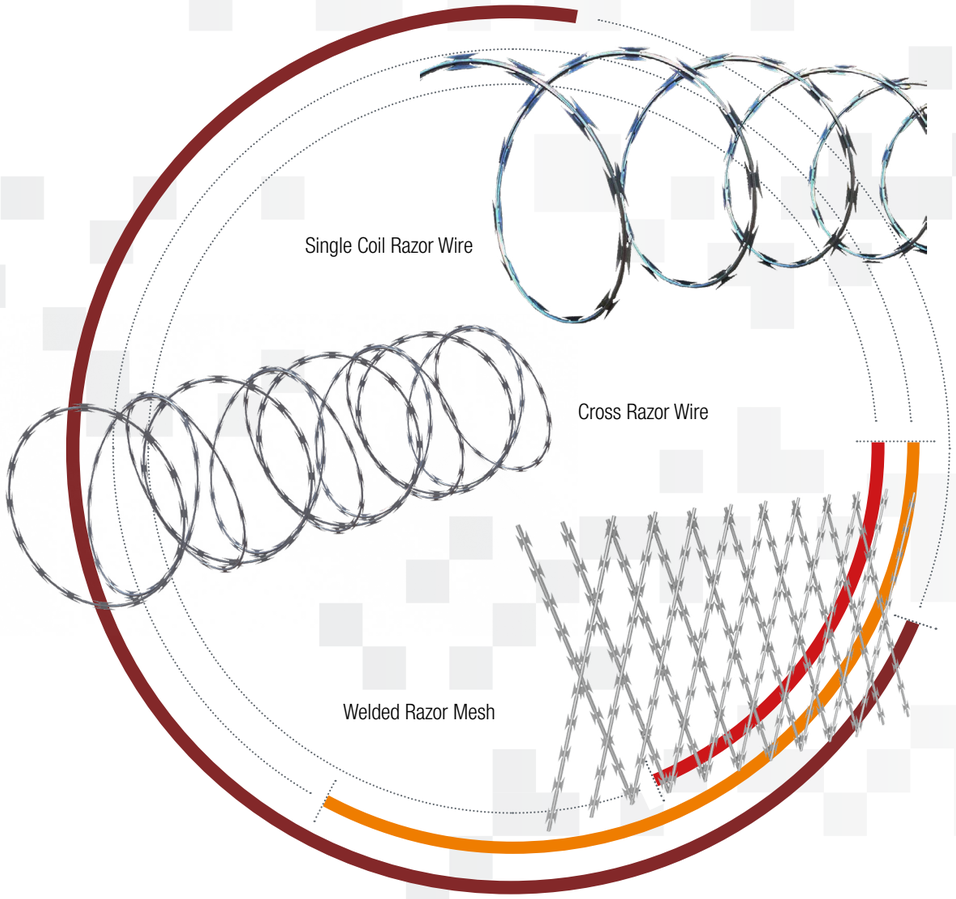
17TH ANNIVERSARY

Anping County Yujun Metal Mesh Co., Ltd. has become a professional razor wire manufacturer and exporter since its foundation in 2004.

From the very start, we firmly believe that great product quality is the only way to success. We sincerely cooperate with partners worldwide and produce high quality razor wire products to cater to market demands.

Our products include straight razor wires, single coil razor wires, cross razor wires, welded razor meshes, razor wire mobile security barriers, etc.

We remain committed to innovation, staying active and maintaining the driving force for development as we seek to become the global leader in the industry of border enhanced security razor wire products.



Why Choose Us ?

Real Factory Guarantee
- 17 years dedicated to razor wire production;
- Strong R&D team tailor-made exclusive solutions;
- Complete sets of production lines range from incoming raw materials to outgoing finished products to ensure product quality.

High Quality Raw Material Guarantee
- Zinc contents of raw material steel sheets for razor blades ranges from 60 g/m^2 to 270 g/m^2 for your option;
- Only when the roundness and tensile strength of coil wires are proved to be qualified, they are allowed to enter into the next production step.

On-Time Delivery Guarantee
- Razor wire of standard sizes and materials comes in large stocks and can be delivered to our customers as soon as possible;
- Multiple advanced production lines have the full capacity to produce urgent orders and ensure timely delivery.

Service Advantage Guarantee
- Provide professional pre-sales consulting services;
- Professional one-to-one order tracing services to ensure the timely communication in the process of customization and production;
- Considerate after-sales services help you solve technical problem you encounter in the process of installation and use.

Price Advantage Guarantee
- We are a strategic partner of renowned raw material suppliers;
- Customized razor wires are acceptable according to application requirements;
- Factory direct delivery, competitive price.

Originality & Quality Assurance
- Rich experienced senior engineers;
- All outgoing products come with test reports and certificate of
- Cooperate with dozens of razor wire distributors, large scale park construction units, railway construction bureaus, border security engineering contractors, etc.
- We have passed ISO 9001 Quality Management System certification.

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Registration No. 03504223030S808

This is to certify that the quality management system of
ANPING COUNTY YUJUN METAL MESH CO., LTD.
North Diwo Village, Donghuangcheng Town, Anping County, Hengshui City, Hebei Province, China
Social Credit Code: 91131125768111613T

is in conformity with
GB/T 19001-2016 / ISO 9001:2015 Standard

This certificate is valid to the following product(s)
Production, Sales and Export of Metal mesh (Razor wire, Wall Spike, Angle Bead, Metal lath) Cito
Covered: North Diwo Village, Donghuangcheng Town, Anping County, Hengshui City, Hebei Province, China/North Jingai Village, Donghuangcheng Town, Anping County, Hengshui City, Hebei Province, China).

Date of issue: January 25, 2022
Date of expiry at most: January 25, 2025
Representative:

XINYUAN CERTIFICATION CENTRE CO., LTD. (SASCO)
CNAS C035-M

NOTE: This certificate shall be maintained by regular surveillance audit.
The validity of the certificate can be verified by scanning QR code.
The information of the certificate can be available in http://www.cnca.gov.cn, the website of CNCA, and in our website http://www.xqcc.com.cn.

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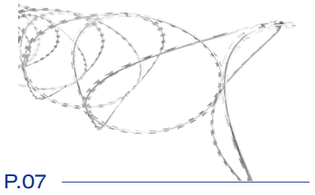
Razor Wire Mobile Security Barrier



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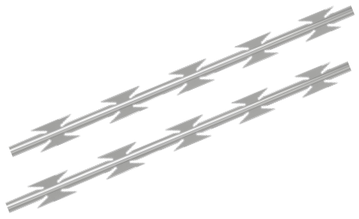
ABOUT RAZOR WIRE



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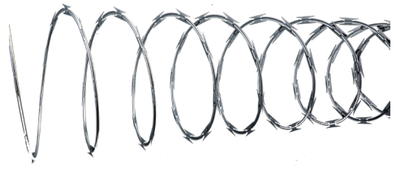
MINIMUM TO MEDIUM SECURITY

Straight Razor Wire

Single Coil Razor Wire

Cross Razor Wire



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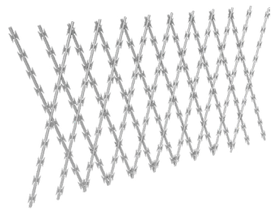
MAXIMUM SECURITY

Long Blade Concertina Wire

Fish-Hook Blade Concertina Wire



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ENHANCED SECURITY

Welded Razor Mesh

Flat Wrap Razor Wire

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MILITARY/BORDER SECURITY

BTC Barbed Tape Concertina

BTC NATO-22 Barbed Tape

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RAZOR WIRE

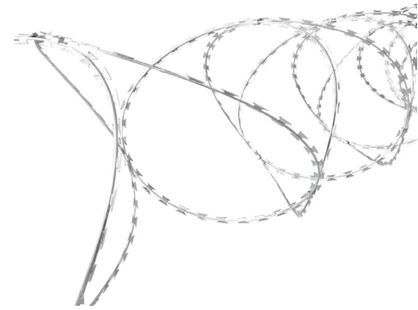
MOBILE SECURITY BARRIER

SATISFY A WIDE RANGE OF SECURITY PROTECTION DEMANDS.

About Razor Wire

Razor wire, also known as barbed tape, is a central strand of high tensile core wire and a punched steel tape with sharp barbs at close intervals uniformly. The razor tape is cold crimped tightly onto the spring steel core, and finally into rolls for easy transport and deployment. For long lasting protection in various high security applications, core wires are generally made of galvanized steel or stainless steel wires while blades are typically made of galvanized steel, stainless steel or aluminized zinc steel sheets.

Characterized by easy installation, razor wire offers both a visual deterrence and a physical barrier that is hard to climb over, thereby effectively keeping out illegal intruders. Razor wire applies to a wide range of applications to meet different security grade requirements. As the raw material varies, it enjoys a service life ranging from 10 to 50 years.



Benefits

- Compared with traditional wire mesh, it offers better security protection.
- As a new type of economic perimeter security barrier, it is an ideal choice for keeping out illegal intruders.
- Various blade types and installation options provide sufficient deterrence and anti-climbing performance to satisfy customer demands at different security levels.
- Wear resistance, corrosion resistance and a long lifespan.
- Generally, it is installed on walls or at the top of fences. In addition, it also works as a stand alone fence.
- Easy and fast installation, low maintenance costs.

Material

To maximize the service life of razor wire and enhance its usability, core wires are generally made of galvanized steel or stainless steel wires, and blades are made of galvanized steel, stainless steel or aluminized zinc steel sheets to prevent blades from rusting and blunt.

Razor wire commonly comes from the following material combinations, you may choose corresponding material combinations according to your applications.

Most economical

Blade: galvanized steel sheet
Core wire: galvanized steel wire

Medium durable

Blade: stainless steel sheet
Core wire: galvanized steel wire

Blade: stainless steel sheet
Core wire: stainless steel wire

Most durablel

Blade: aluminized zinc steel sheet
Core wire: galvanized steel wire

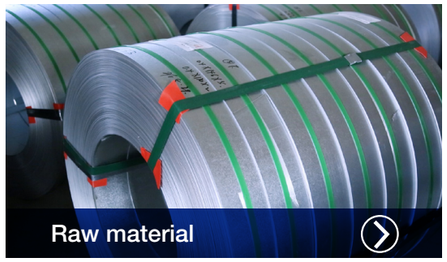
Blade: aluminized zinc steel sheet
Core wire: stainless steel wire

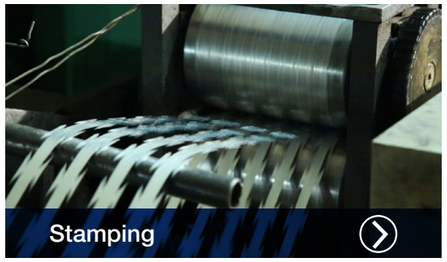
Colorful

Blade: powder coated steel sheet
Core wire: powder coated steel wire

Production Process

● Galvanized Steel/Stainless Steel/Aluminized Zinc Steel Razor Wire


Raw material

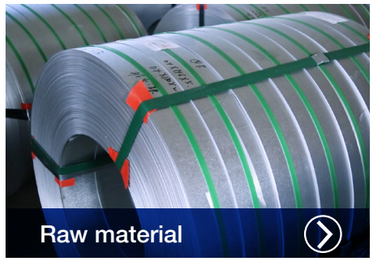

Stamping

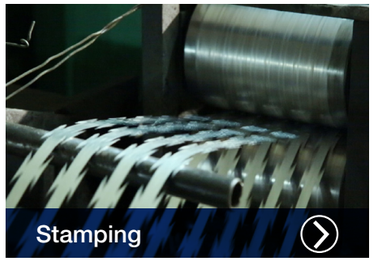
Wrapping

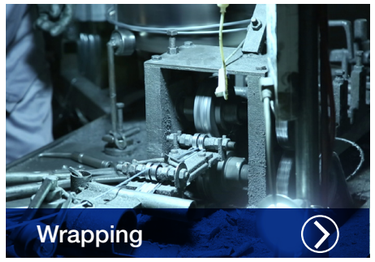
Clipping

Packing

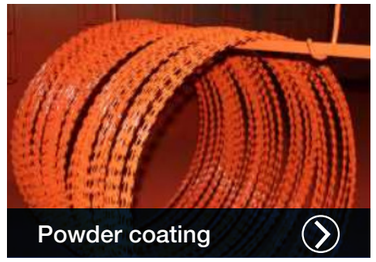
● Powder Coated Razor Wire


Raw material


Stamping


Wrapping

Clipping


Powder coating

Packing

Quality Control

Core wire diameter test

Barb thickness test

Barb length test

Barb width test

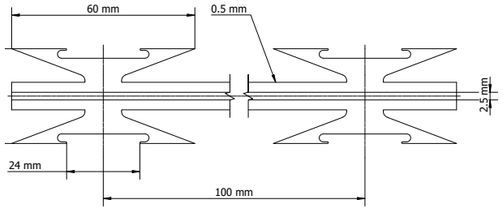
Barb spacing test

Blade Type

Barbed tape can be divided into two main blade series: concertina barbed tape (CBT) and barbed tape obstacle (BTO).
There are 5 main popular blade types including fish hook blade, tear blade, long blade, medium blade and short blade.

• Fish-Hook Blade (CBT-60)

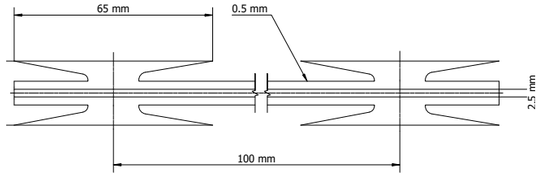
Fish-hook blade is the metal in the middle that has gone through the most gyrations. All hooks have an eye to tie your line to, a sharp tip to pierce the fish's mouth and a barb to hold it in place. Although there are a wide variety of innovations in point design, it's the shank & the bend that have changed the most.



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
CBT-60	0.5±0.05	60.0±2	31±1	100±2	2.5±0.1

• Long Blade (CBT-65)

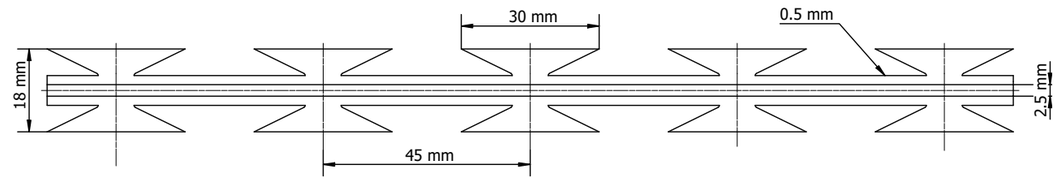
Razor wire long blade is a vicious product when manufactured of toughened stainless steel blade material. It is usually used for prison fencing. Extra long blade razors provide maximum frightening effect.



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
CBT-65	0.5±0.05	65.0±2	51±1	100±2	2.5±0.1

• Tear Blade (BTO-30)

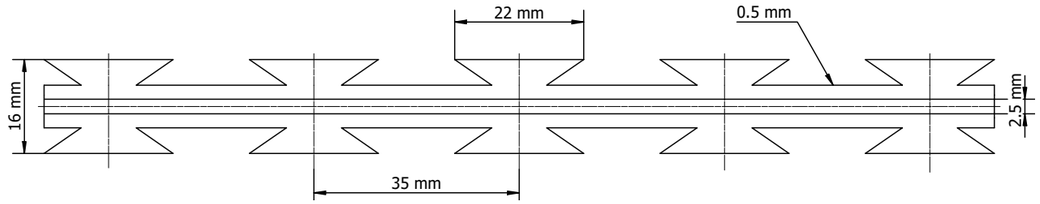
Tear blade is an hybrid of medium blade and long blade, more vicious than a medium blade and more economical than long blade.



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-30	0.5±0.05	30.0±1	18±1	45±2	2.5±0.1

• Medium blade (BTO-22)

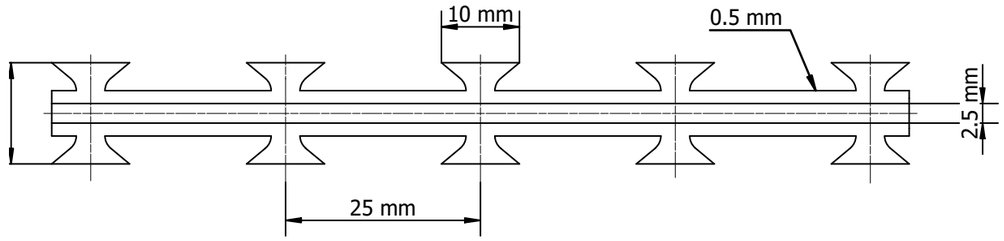
Concertina wire medium blade is an improvement on the short blade variety at a cost-effective price level. It is widely used for commercial and industrial applications. Medium blade concertina wire had a much sharper edge and quickly gained the reputation of being an extremely effective low cost security choice.



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-22	0.5±0.05	22±1	16±1	35±2	2.5±0.1

• Short Blade (BTO-10)

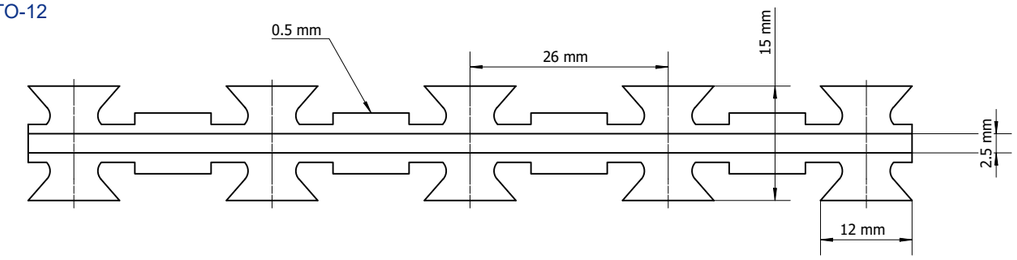
Short blade is the original profile of razor wire barbed tape, which is developed for military applications. Although mostly replaced by medium blade, it is still preferred by some organizations. It is the most economical type among all the barbed tapes.



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-10	0.5±0.05	10.0±2	13±1	25±2	2.5±0.1

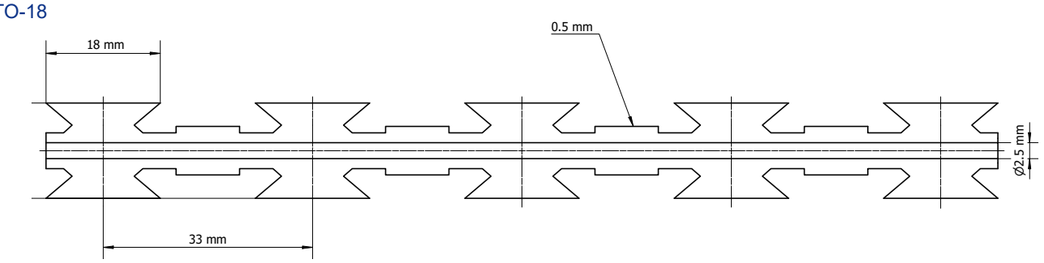
Other blade types available

- BTO-12



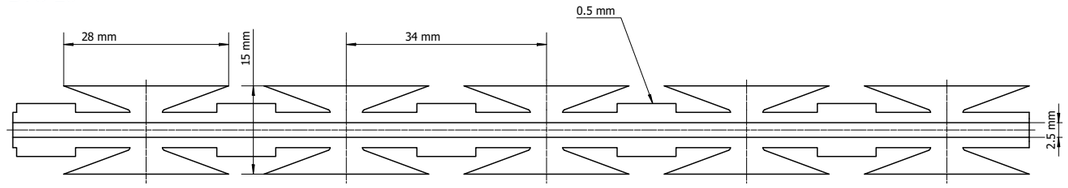
Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-12	0.5±0.05	12.0±2	15±1	33±1	2.5±0.1

- BTO-18



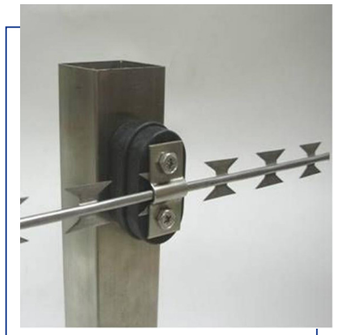
Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-18	0.5±0.05	18.0±2	15±1	33±2	2.5±0.1

- BTO-28



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-28	0.5±0.05	28.0±2	15±1	45±2	2.5±0.1

Our Products



Straight razor wire

Single coil razor wire

Cross razor wire

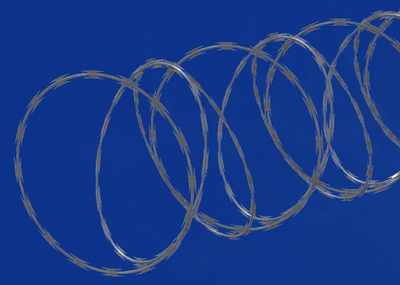
Welded razor mesh

Flat wrap razor wire

Razor wire mobile security barrier

Application

Razor wire is a new type of protective fence featuring attractive appearance, practical functions, excellent deterrence effect and easy construction. It is widely used in apartments, garden protection, factories, enterprises, border posts, government buildings, military bases, detention houses and institutions and facilities with high temporary security protection demands.



MINIMUM TO MEDIUM SECURITY

STRAIGHT

Straight Razor Wire

Straight razor wire, similar to barbed wire, is a new type of blade type barbed wire placed in straight lines for easy and quick installation. Razor blades are made of hot dip galvanized steel sheets or stainless steel sheets by stamping, cutting and other processing procedures. Core wires are made of high tensile galvanized steel wires or stainless steel wires.

Its sharp blades deliver not only physical intimidation but also visual deterrent, aesthetically pleasing yet frightening, thereby effectively protecting site perimeters and preventing unauthorized access.

It is commonly installed on the wall or at the top of fences and is widely used in site perimeters, all kinds of traffic facilities for isolation and protection and other places require low level security protection.

Benefits

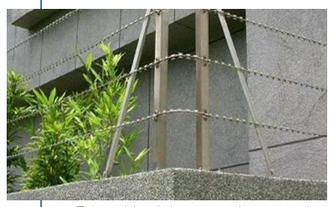
- Straight line type for easy, quick installation and little additional maintenance.
- Sharp blades offer great intimidation effect.
- High quality galvanized steel and stainless steel are employed for great corrosion resistance.
- Offer economic perimeter protection, and prevent unauthorized access.
- Install on existing fences, brick walls or wood walls.

Application

Straight razor wire is a perfect choice for installing on walls or at the top of fences to prevent unauthorized access and is widely used in residential communities, farms, gardens, parks, construction sites, workshops and other places require low level security protection.

For park protection

For farm protection



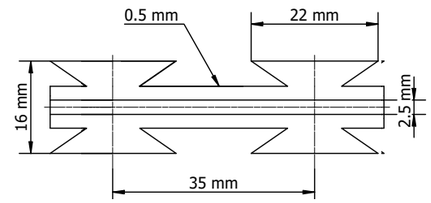
For residential community protection

For road perimeter protection

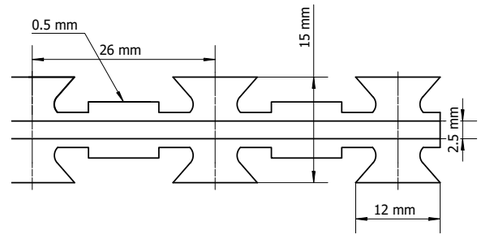
Packing

Available in moisture-proof paper + woven bag or carton packing.

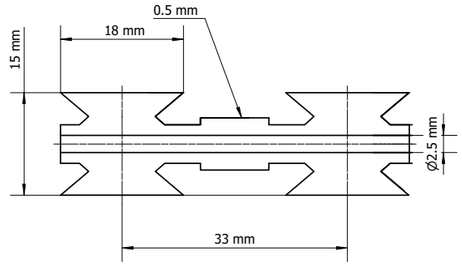
Specification



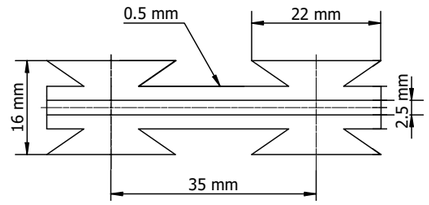
Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-10	0.5±0.05	10±1	13±1	25±1	2.5±0.1



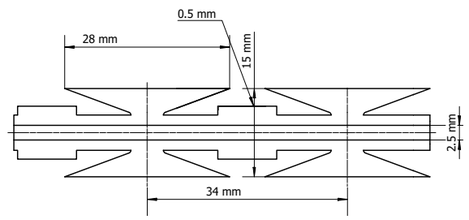
Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-12	0.5±0.05	12.0±2	15±1	33±1	2.5±0.1



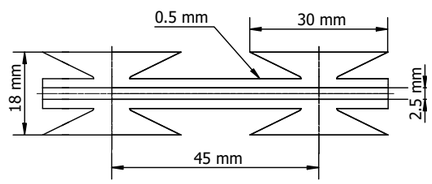
Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-18	0.5±0.05	18±1	15±1	33±1	2.5±0.1



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-22	0.5±0.05	22±1	16±1	35±1	2.5±0.1



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-28	0.5±0.05	28±1	15±1	45±1	2.5±0.1



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-30	0.5±0.05	30±1	18±1	45±1	2.5±0.1

- Core wire material: galvanized steel wires or stainless steel wires.
- Blade material: galvanized steel sheets or stainless steel sheets.
- Other materials and sizes can be customized upon request.

SINGLE COIL

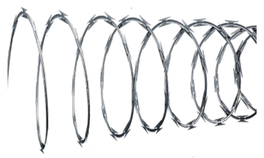
Single Coil Razor Wire

Single coil razor wire is supplied without clips, and can be unfolded and folded quickly like a spring on the wall or fences. In addition, its long blade spiral design makes climbing and touching extremely difficult, thereby offering excellent enhanced security protection.

During the installation, you may adjust the spacing between loops according the actual length of the wall or the fence. Single coil razor wires are widely used in private lands, commercial properties, construction sites and other places requiring a low-level security protection to enhance perimeter protection and prevent illegal entry.

Benefits

- Sharp long blades and high tensile core wire offer great anti-cut and anti-shear performance.
- High quality galvanized steel and stainless steel are employed for great weather resistance and corrosion resistance.
- Sharp, solid blades make it hard to access to and offer great protection performance.
- Low cost and easy installation. It can be installed easily by stretching the razor wire roll and adjust the length and loop spacing according to your security demands.



22 cm loop spacing

45 cm loop spacing

Application

Single coil razor wires are widely used in apartment, private lands, commercial properties, construction sites, factories, road restricted areas, forest reserve and other places requiring security protection.

For road restricted area protection

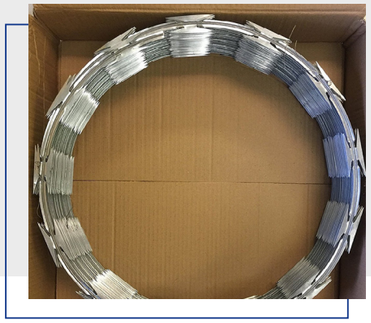
For factory isolation & protection

For private land protection

For commercial property protection

Packing

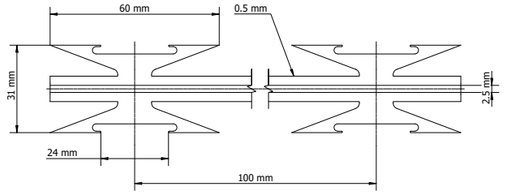
Packed in cartons or bound to a wood pallet with steel straps.



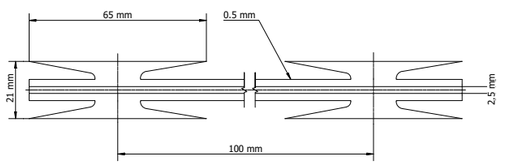
Carton package

Wood pallet package

Specification of Single Coil Razor Wire



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
CBT-60	0.5±0.05	22±1	16±1	35±2	2.5±0.1



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
CBT-65	0.5±0.05	65±2	21±1	100±2	2.5±0.1

- Core wire material: galvanized steel wires or stainless steel wires.
- Blade material: galvanized steel sheets or stainless steel sheets.
- Other materials and sizes can be customized upon request.

Specification of Single Coil Razor Wire Rolls

Outer Diameter (mm)	Coil Loops (mm)	Loop Spacing (mm)	Extended Length (m)	Blade Type
300	33	450	15	CBT-60, CBT-65
450	33	450	15	CBT-60, CBT-65
600	33	450	15	CBT-60, CBT-65
750	33	450	15	CBT-60, CBT-65
900	33	450	15	CBT-60, CBT-65

CROSS

Cross Razor Wire

Cross razor wires are generally equipped with short or medium blades. Two adjacent razor wire coils are crossed and clamped together with clips made of stainless steel or galvanized steel sheets to form cross razor wires. Stretching the cross razor wire roll, it expands like a concertina, therefore, it is also called as concertina cross razor wire.

After installation, blades are orderly arranged at regular intervals and the spacing between loops is smaller than that of single coil razor wires, thereby offering better security protection.

Cross razor wires are widely used in rural areas for crop protection, apartments, schools, factories, parking lots, warehouses and other places requiring a medium level security protection.

Benefits

- High quality galvanized steel, stainless steel or aluminized zinc steel sheets are adopted to offer great resistant to corrosion, aging and weathering.
- Easy installation, operation and simple construction.
- Cross razor wires are firmly installed to offer excellent anti-cut and anti-climb performances.
- It offers both an attractive appearance and a great deterrent effect after installation.

Application

Cross razor wires are widely used in rural areas for crop protection, apartments, schools, factories, parking lots, warehouses and other places requiring a medium level security protection.

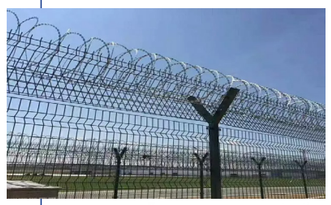
Packing

Inner waterproof paper + outer woven bag, carton or customized upon request.

Waterproof paper + woven bag package

Carton package

For school perimeter protection

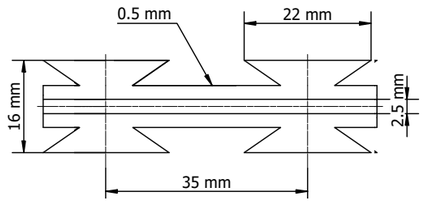


For expressway protection

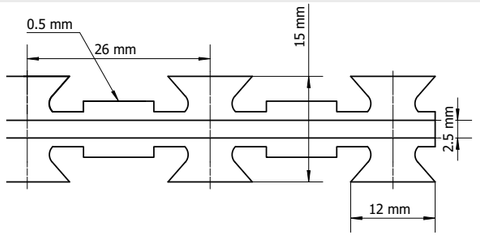
For factory property protection

For rural area crop protection

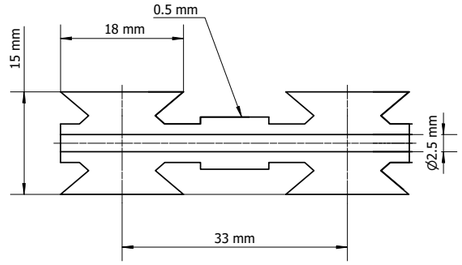
Specification of Cross Razor Wires



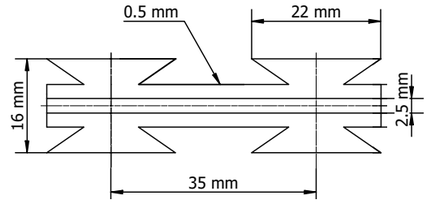
Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-10	0.5±0.05	10±1	13±1	25±1	2.5±0.1



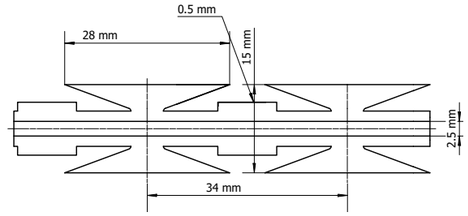
Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-12	0.5±0.05	12.0±2	15±1	33±1	2.5±0.1



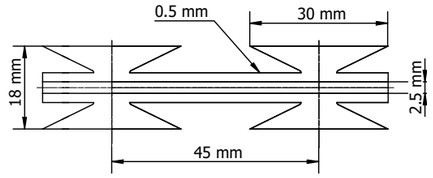
Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-18	0.5±0.05	18±1	15±1	33±1	2.5±0.1



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-22	0.5±0.05	22±1	16±1	35±1	2.5±0.1



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-28	0.5±0.05	28±1	15±1	45±1	2.5±0.1



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-30	0.5±0.05	30±1	18±1	45±1	2.5±0.1

- Core wire material: galvanized steel wires or stainless steel wires.
- Blade material: galvanized steel sheets or stainless steel sheets.
- Other materials and sizes can be customized upon request.

Specification of Cross Razor Wire Rolls

Outer Diameter (mm)	Coil Loops	Clips	Loop Spacing (mm)	Extended Length (m)	Blade Type
450	31	3	300	4.5	BTO-10, BTO-12, BTO-18, BTO-22, BTO-28, BTO-30
600	31	3	400	6	BTO-10, BTO-12, BTO-18, BTO-22, BTO-28, BTO-30
750	31	3	400	6	BTO-10, BTO-12, BTO-18, BTO-22, BTO-28, BTO-30
900	31	3	400	6	BTO-10, BTO-12, BTO-18, BTO-22, BTO-28, BTO-30

MAXIMUM SECURITY

LONG BLADE

Long Blade Concertina Wire

Featured by high density, long blade razor wire is specially designed for maximum security applications. After installation, the spacing between loops are so small that people cannot climb over, thereby keeping out illegal intruders.

Compared with cross razor wire, long blade concertina wire uses more clips to connect adjacent loops and has longer, sharper blades, offering a better psychological deterrent effect.

It applies to all types of outdoor applications and is your ideal choice for protecting your private properties and even for protecting military sites, prisons and government agencies.

Benefits

- 2.5 mm steel wires are used as core wires to offer great anti-shear performance.
- It can be installed on concrete walls, special brackets and fences.
- Easy to install and remove, and can be reused.
- Hot dip galvanized steel or stainless steel, aluminized zinc steel sheets are adopted to deliver great resistant to corrosion and weathering.
- Depending on raw materials used, it enjoys a service life ranging from 10 to 50 years.
- If offers an economic yet effective solutions against illegal intrusion.

Application

Long blade concertina wires are widely used in military bases, prisons, airports, substations, ports, photovolatic power stations, parking lots and other places requiring a high level of security protection.

For military defense

For prison security protection

For factory security protection

For railway perimeter protection

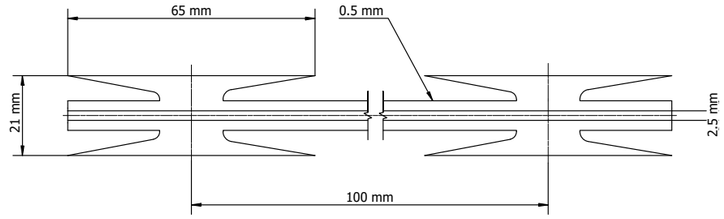
Packing

Inner waterproof paper + outer woven bag, carton or customized upon request.

Waterproof paper + woven bag

Carton package

Specification of Long Blade Concertina Wire



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
CBT-65	0.5±0.05	65±2	21±1	100±2	2.5±0.1

- Core wire material: galvanized steel wires or stainless steel wires.
- Blade material: galvanized steel sheets or stainless steel sheets.
- Other materials and sizes can be customized upon request.

Specification of Long Blade Concertina Wire Rolls

Outer Diameter (mm)	Coil Loops	Clips	Loop Spacing (mm)	Extended Length (m)	Blade Type
750	51 (81)	5	300	7.5 (12)	CBT-65
900	51 (81)	5	300	7.5 (12)	CBT-65
1000	51 (81)	5	300	7.5 (12)	CBT-65
1000	51 (81)	7	300	7.5 (12)	CBT-65
1500	51 (101)	9	300	7.5 (15)	CBT-65

FISH-HOOK BLADE

Fish-Hook Blade Concertina Wire

Fish-hook blade is the metal in the middle that has gone through the most gyrations. All hooks have an eye to tie your line to, a sharp tip to pierce the fish's mouth and a barb to hold it in place. Although there are a wide variety of innovations in point design, it's the shank & the bend that have changed the most.

Designed with 8 needle-sharp barbs, fish-hook blade concertina wire is recommended and specified worldwide as a premium physical perimeter barrier that provides unparalleled physical protection and psychological deterrence. Fish-hook blade concertina wires are widely used in places where the highest level security protection is required, for example, prisons and major projects.

Benefits

- Compact, reasonable arranged structure, high security coefficient.
- Greater psychological deterrence.
- Depending on raw materials used, it enjoys a service life ranging from 10 to 50 years.
- Easy to install and remove, and can be reused.
- It requires no additional maintenance or configuration and offers an all-weather security protection.
- Great adaptability and can be installed on different types of surfaces, such as concrete wall, metal fence or ground.
- In addition to standard sizes, other materials and sizes can be customized upon request..

Application

Fish-hook blade concertina wire commonly works with field fences, welded fence, wall and gates to provide improved security protection. It is widely used in prison, detention houses, nuclear power plants, petroleum & chemical storage, refineries, nuclear weapon storage and other places where the highest level security protection is required.

For prison perimeter security

For factory protection

For detention house protection

For power plant protection

Packing & Shipping

Fish-hook blade concertina wire coils are commonly packed with moisture-proof paper inside and woven bag outside to ensure the safety and integrity of the products during transportation.

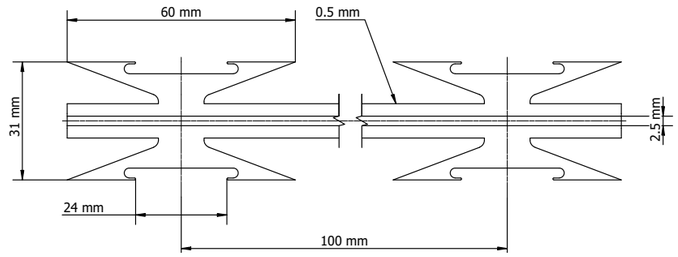
Generally, they are transported in 2 ways.

- Fish-hook blade concertina wire coils are stacked up, compacted the goods with a baling press and then fixed with steel strips to make good use of the space in the container.
- Fish-hook blade concertina wire coils are packed in rolls and neatly placed in wood pallets for easy loading and unloading by forklift.

Steel strip package

Wood pallet package

Specification of Fish-Hook Blade Concertina Wire



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
CBT-60	0.5±0.05	60.0±2	31±1	100±2	2.5±0.1

- Core wire material: galvanized steel wires or stainless steel wires.
- Blade material: galvanized steel sheets or stainless steel sheets.
- Other materials and sizes can be customized upon request.

Specification of Fish-Hook Blade Concertina Wire Rolls

Outer Diameter (mm)	Coil Loops	Clips	Extended Length (mm)	Blade Type
300	33	3	4	CBT-60
450	55	3	10	CBT-60
730	55	5	10–12	CBT-60
730	55	3	15–20	CBT-60
980	55	5	10–15	CBT-60
980	55	7	8	CBT-60
1250	55	9	8	CBT-60

MILITARY/BORDER SECURITY

BTC Barbed Tape Concertina

BTC barbed Tape Concertinas are manufactured in strict accordance with U.S military specification MIL-AA-55522A with optional BTO-10 and BTO-22 blade types.

Barbed tape concertina complies with ASTM A653 standard and the barbed tape shall be fabricated from G90 galvanized steel sheets and permanently wrap about the galvanized core wire with a minimum of 230°.

Adjacent barbed tape concertina coils are connected with 3 or 5 galvanized clips for fixing. Galvanized clips shall be 1.7 mm thickness × 9.5 mm width × 25 mm length and can withstand a minimum of 24 kg tensile load.

Barbed tape concertinas are mainly used in military field and military training barrier applications.

Benefits

- ASTM A653 compliance hot dip galvanized G90 coating.
- Hot dip galvanized steel material offers great corrosion resistance and weather resistance.
- In addition to standard galvanized steel, stainless steel and aluminized zinc steel materials are also available upon request.
- Comply with U.S military specification MIL-A-A-55522A.
- Economic and practical, can be installed quickly.

Application

BTC barbed tape concertinas are widely used in border security protection applications, military bases and military training barriers.

For border security protection

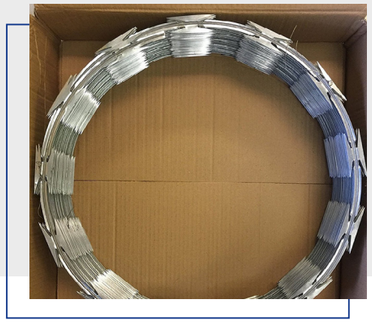
For military training barriers

For military base obstacles

For border security protection

Packing & Shipping

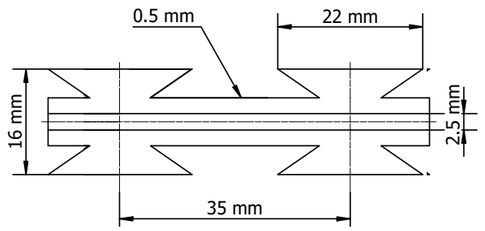
Packed in cartons or bound to a wood pallet with steel strips.

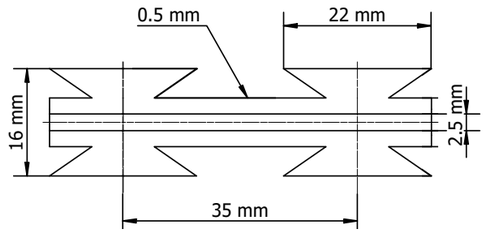


Carton package

Wood pallet package

Specification of BTC Barbed Tape Concertinas





Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-10	0.5±0.05	10±1	13±1	25±1	2.5±0.1

Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-22	0.5±0.05	22±1	16±1	35±1	2.5±0.1

Specification of BTC Barbed Tape Concertina Rolls

Outer Diameter (mm)	Coil Loops	Clips	Loop Spacing (mm)	Extended Length (m)	Blade Type
450	56	3	406	11	BTO-10, BTO-22
720	56	3	533	15	BTO-10, BTO-22
900	50	5	600	15	BTO-10, BTO-22
965	56	5	533	15	BTO-10, BTO-22
1000	56	5	533	15	BTO-10, BTO-22

BTC NATO-22 Barbed Tape

BTC NATO-22 barbed tape is specially developed to meet NATO military requirements. It offers a larger/wider barb than that of BTO-series blades. In addition, the NATO-22 barb is available offset, which greatly increases the coil density and the psychological deterrence. It is more economic than that of CBT-series blades.

BTC NATO-22 barbed tapes are made of high quality, high tensile stainless steel or galvanized steel to offer great corrosion resistance and deliver a service life ranging from 10 to 40 years. It is your ideal choice for military purposes and border defense applications.

Benefits

- Barb length and spacing are designed to meet NATO specifications.
- Excellent security performance.
- Available in offset barb which greatly increases barb effectiveness, coil density, and psychological deterrence.
- It enjoys a service life of 10 to 40 years.

Application

BTC NATO-22 barbed tapes are widely used in a wide range of military applications.

Packing & Shipping

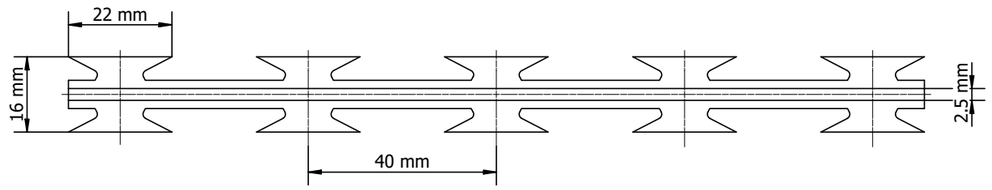
- Waterproof paper inside and plastic woven bag outside;
- Wood pallet;
- Bare package.

Waterproof paper & woven bag package

Wood pallet

Bare package

Specification of BTC NATO-22 Barbed Tapes



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
NATO-22	0.5	22	16	40	2.5

Specification of BTC NATO-22 Barbed Tape Rolls

Outer Diameter (mm)	Coil Loops	Clips	Loop Spacing (mm)	Extended Length (m)	Blade Type
450	56	3	406	11	BTC NATO-22
600	56	3	406	11	BTC NATO-22
720	56	3	533	15	BTC NATO-22
750	56	5	533	15	BTC NATO-22
900	56	5	533	15	BTC NATO-22
980	56	5 (7)	533 (150)	15 (4.3)	BTC NATO-22
1000	56	5	533	15	BTC NATO-22

ENHANCED SECURITY

WELDED

Welded Razor Mesh

Welded razor mesh, also known as razor mesh panel, is a versatile, high security fencing mesh made of cross-welded straight razor wires and is designed to protect you and your property without marring the appearance of the property.

Welded razor mesh often is available in both hot-dip galvanized and powder coated surfaces with the purpose of offering better corrosion resistance, enhanced aesthetic appearance and higher cost-effectiveness.

There are 3 types of mesh openings: diamond, square and rectangular. It can be used directly or welded with frames. Welded razor mesh is provided with sharp blades, you can neither hold nor climb over it, therefore, it is a perfect protective barrier for preventing illegal intruders and offering great security protection effect.

Welded razor mesh is widely used in the back fence lines of properties, around vacant land, on precast walls and around industrial areas to add more security.

Benefits

- No climbing
- Firm structure
- Anti-shear
- Galvanized and powder coated surface provides excellent corrosion resistance
- Neat and clean appearance
- Diamond, square and rectangular mesh opening types for your option.
- Easy to install and can be installed individually or added to existing fences or walls.
- Strong visual and psychological deterrence.
- Great physical barrier.

Application

Welded razor mesh is widely used in prisons, detention houses, drug rehabilitation centers, military bases, residential communities, factories, private houses, government agencies, bank windows and doors, along highways or railways, etc.

For prison isolation

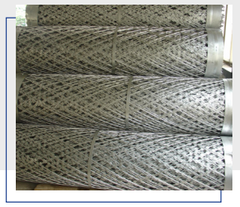
For highway protection

For private house security protection

For factory security protection

Packing

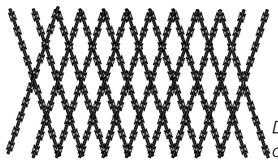
Available in both roll package and pallet package.



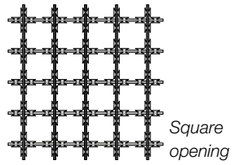
Roll package

Pallet package

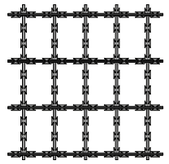
Mesh Opening Types



Diamond opening

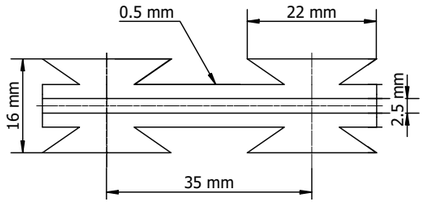


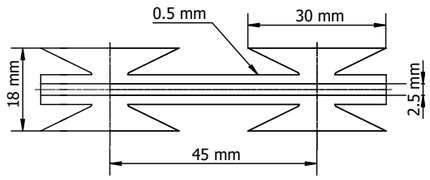
Square opening



Rectangular opening

Specification





Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-22	0.5±0.05	22±1	16±1	35±1	2.5±0.1

Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-30	0.5±0.05	30±1	18±1	45±1	2.5±0.1

Specification of Welded Razor Mesh Panels

Height (m)	Length (m)	Aperture Size (mm)	Blade Type
1.2	3–6	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90	BTO-22, BTO-30
1.8	3–6	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90	BTO-22, BTO-30
2.1	3–6	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90	BTO-22, BTO-30
2.4	3–6	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90	BTO-22, BTO-30
3.0	3–6	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90	BTO-22, BTO-30

Specification of Welded Razor Mesh Rolls

Height (m)	Length (m)	Aperture Size (mm)	Blade Type
1.2	20	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90	BTO-22, BTO-30
1.8	20	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90,	BTO-22, BTO-30
2.1	20	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90,	BTO-22, BTO-30
2.4	20	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90,	BTO-22, BTO-30
3.0	20	75 × 150, 150 × 300, 100 × 150, 100 × 100, 40 × 40, 50 × 50, 60 × 60, 70 × 70, 80 × 80, 90 × 90,	BTO-22, BTO-30

- Core wire material: galvanized steel wires or stainless steel wires.
- Blade material: galvanized steel sheets or stainless steel sheets.
- Mesh opening shapes, sizes, blade types and surface treatments are customized upon request.

FLAT WRAP

Flat Wrap Razor Wire

Flat wrap razor wire is a new type of razor wire fabricated by single coil razor wire that is flattened and then clipped to wires to create flat sheets. It unfolds into a flat structure that stays within the overall dimensions of the fence, offering a more compact design and solving the problem of spiral concertina wire hanging out of the boundary to make it a perfect choice for applications within limited space.

Flat wrap razor wire is commonly used to upgrade the security of residential fences, precast concrete walls, chain link fences, perimeter fences and gates. This combination offers a high security barrier and is designed to deter and prevent illegal intruders while delivering a neat, attractive appearance.

Benefits

- No razor wires are draped and no innocent people are hurt.
- Your ideal choice for security protection in limited space.
- Easy installation, you can start your installation directly after unfolding the product.
- It can be flexibly combined with fences, gates and walls.
- Little or no maintenance.

Application

Flat wrap razor wire can be used as a vertical anti-climb deterrent for almost all types of fences, fence gates, walls and roof windows. When being secured to the top of a fence, it offers an enhanced deterrent for places where high security protection is required.

At the top of 358 high security fence

At the top of fence gate

At the upper part of palisade fencing

At the top and bottom of sliding door

Packing & Shipping

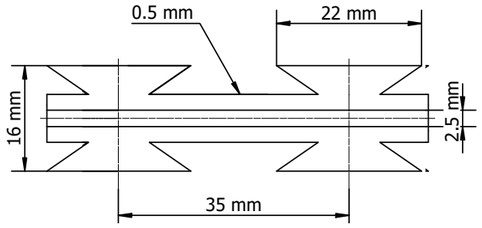
- Flat wrap razor wires are packed with waterproof paper inside and woven bag outside.
- Flat wrap razor wire is bundled and wrapped with 5 coils, and each coil is 15 meters long.

Waterproof paper package

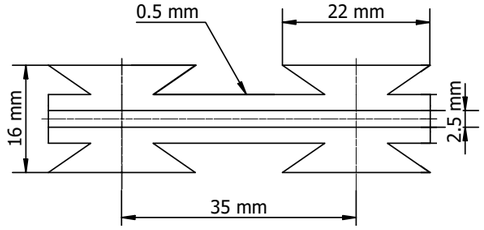
Woven bag package

Shipping

Specification of Flat Wrap Razor Wires



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-10	0.5±0.05	10±1	13±1	25±1	2.5±0.1



Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-22	0.5±0.05	22±1	16±1	35±1	2.5±0.1

Specification of Flat Wrap Razor Wire Rolls

Height (mm)	Extended Length (m)	Blade Type
500	15	BTO-10, BTO-22;
700	15	BTO-10, BTO-22;
900	15	BTO-10, BTO-22;

- Core wire material: Galvanized steel or stainless steel wires.
- Blade material:
  Galvanized steel, stainless steel or aluminized zinc steel sheets.
- Blade types and surface treatments are customized upon request.

RAZOR WIRE MOBILE SECURITY BARRIER

Razor wire mobile security barrier is composed of concertina wires and support frames on both ends. One-end frame can be operated to complete concertina wire deployment and recovery in a few minutes. The retractable concertina wire and the support frame are integrated and firmly connected, offering a firm, stable overall structure.

It is suitable for isolation, traffic interruption and area containment control in special occasions to maintain public order and ensure public security. In addition, it is also required when the military and police need to effectively isolate the scene of illegal and criminal activities, block traffic and block the area to achieve full area isolation during the work of maintaining stability and dealing with emergencies. As it can not only effectively prevent crowds from colliding, climbing and leaping, but also prevent vehicles from forcibly braking through the blockade, therefore, it is widely used for target protection, border defense against enemy forces, riot control, mass protest and riot control, accident scene obstacle deployment, road construction obstacle deployment and other emergencies.

Razor wire mobile security barrier is mainly divided into single strand security barrier and triple strand security barrier by number of concertina wire rolls.

Single Strand Security Barrier

Single strand security barrier consists of a retractable concertina wire unit and a support frame. The concertina wire unit has a contracting diameter ranging from 80 cm to 100 cm and a stretching length of 10 m. At the bottom of the support frame, 4 retractable castors are provided for easy pushing and moving. In collapse conditions, it is easy to push and move forward. In addition, a canvas cover is provided to cover the support frame for easy transportation, storage, handling and loading.

It is generally used to isolate and interrupt traffic, maintain public order and ensure public security, etc.

According to the outer package, it can be divided into the following types.

Standard type

Contracting diameter: 1000 mm
Height: 1100 mm
Width: 550 mm
Stretching length: 7–10 m
Blade type: BTO-22

Roller type

Contracting diameter: 900 mm
Height: 850 mm
Width: 865 mm
Stretching length: 10 m
Blade type: BTO-22

Triple Strand Security Barrier

Triple strand security barrier is an upgrade of single strand security barrier. It consists of 3 retractable concertina wire units and an integrated support frame. Each concertina wire unit has a diameter ranging from 80 cm to 100 cm and an extendable length of 10 m. The support frame is provided with a catching door that can be opened and retracted for quick deployment. In addition, the integrated support frame can perfectly accommodate 3 concertina wire units for easy handling and storage while offering a firm, stable overall structure.

The triple strand security barrier is reusable and retractable. The barrier height if about the sum of the diameter of 2 concertina wire units. It has strong anti-overturning and anti-damaging capacity and is not easy to climb, overturn and damage under normal circumstances. Multiple triple strand security barriers can be used in any combination according to the actual length required to perform deployment tasks for roads of different length.

Benefits

- Can be deployed on flat roads, uneven roads, slopes, small obstacles and other terrains;
- Easy and quick deployment.
- Can be used flexibly, in single or multiple units in any combination.
- Great isolation effect makes it is hard to climb.
- Firm, good elasticity and not easy to deform.
- Reusable and easy to store and transport.

Application

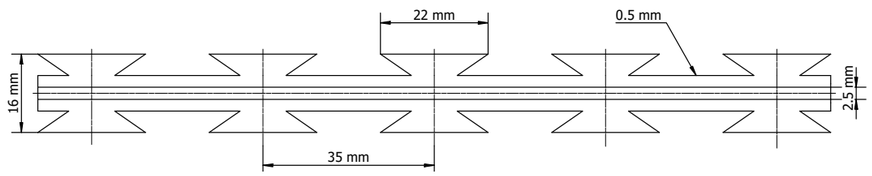
It is widely used in military facilities, airports, warehouses, prisons, enterprises, institutions, border guards, riot prevention, border quick isolation, etc.

For public area isolation

For traffic interruption

For border isolation

For emergency isolation



Specification

Contracting diameter: 1530 mm
Height: 1530 mm
Width: 730 mm
Stretching length: 10 m
Blade type: BTO-22

Blade Type	Barb Thickness (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)	Core Wire Diameter (mm)
BTO-22	0.5±0.05	22±1	16±1	35±1	2.5±0.1

- Other blade styles are available upon request.

Accessories

Gloves

Gloves for hand and wrist protection, which are cut, puncture and abrasion resistant. They are specifically designed for handling barbed tape products. Sleeves for lower and upper arm protection are also required for further protection

Wire ties

Twistable ties are used to secure the barbed tape at the tie point in anchoring installations.

Wire tie twist tool

Used to twist wire ties in fence anchored installations.

Hog rings

Hog rings for connecting the razor wire to the fence in the fence anchored installations.

Hog ring pliers

Used to compress hog rings in fence anchored installations.

Anchorage

Required to anchor ground based installations, usually positioned at 10 feet intervals.

Arm Sleeve Guard

Used to protect the installer, the arm/sleeve guard covers from the wrist to the shoulder.

Y Support

Used to install razor wires and commonly installed on walls to support razor wires.

Expansion screws & gaskets

Used to fix razor wires onto walls when installing razor wires.

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